BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

No:EE/YNK-D/E-PMT/14/2021-22 Dated: 15-12-2021

APPROVED TENDER SCHEDULE –'B'

Item 02

Name of Work :-Augmentation of water supply through borewell, network of pipelines and ground water recharge facilities in various layout of Harohalli, Nagenahalli, Kenchenhalli, Ananthapura, Doddabettahalli and Chikkabettahalli village limits in ward No 02, 03 of Yelahanka Division (PACKAGE NO-16)

Sl	Description	Unit	Approved Qty	Rate quoted by the contractor approved rates Sri GOPIREDDY	
				Rate	Rate in Words
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction (P.47, I. 9.4) PRED.SR 2019-	Nos	27.00	3937.56	Three Thousand Nine Hundred ThirtySeven Paise FiftySix Only
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) 0-50.00mtr	Mtr	1350.00	362.62	Three Hundred SixtyTwo Paise SixtyTwo Only
3	50-100.00mtr	Mtr	1350.00	461.89	Four Hundred SixtyOne Paise EightyNine Only
4	100-150.00mtr	Mtr	1500.00	476.52	Four Hundred SeventySix Paise FiftyTwo Only
5	150-200.00mtr	Mtr	1500.00	560.12	Five Hundred Sixty Paise Twelve Only
6	200-250.00mtr	Mtr	1500.00	662.53	Six Hundred SixtyTwo Paise FiftyThree Only
7	250-300.00mtr	Mtr	1500.00	731.50	Seven Hundred ThirtyOne Paise Fifty Only
8	300 to 350 m	Mtr	1375.00	862.13	Eight Hundred SixtyTwo Paise Thirteen Only

G Reddy

	e Drilling of Borewells SE PRED I no. 13.06	Mtr	300.00	326.04	Three Hundred TwentySix Paise Four Only
	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) SE PRED III NO 84	Rmtr	1590.00	1384.63	One Thousand Three Hundred EightyFour Paise SixtyThree Only
11	Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 / 13.6 (P. No.92/ I. No. 13.15 KPWD SR 2018-19)	mtr	9000.00	429.79	Four Hundred TwentyNine Paise SeventyNine Only
12	Providing 250mm dia PVC Pipe BWSSB SR 17-18 PNO 133 SL NO 1.11	mtr	162.00	1413.89	One Thousand Four Hundred Thirteen Paise EightyNine Only
13	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990. P. No. 7/ I No. (2.6.4) 3cx 6.0 Sqm KPWD	Mtr	18600.00	214.23	Two Hundred Fourteen Paise TwentyThree Only
14	Texmo, Atalanta, Suguna, CRI KIRLOSKER AND other equipment pumps 15.00 HP/11KW(30 Stage)P. No. XLII I No.43) (K.P.W.D SR 2018-19)	Nos	30.00	66355.41	SixtySix Thousand Three Hundred FiftyFive Paise FourtyOne Only
15	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia (P No.40, I No. 6.1) KPWD Electrical SR 2019-20	NO	30.00	3134.69	Three Thousand One Hundred ThirtyFour Paise SixtyNine Only
16	Supplying and Fixing 20"x20"x2.5"polished wood board made up not less than 15mm thick plank with front plank one end providing for olding at other end fixing the same to the valve using tapered bolts and nuts, (P No. 24 No.5.6.6 KPWD Electrical SR 2019-20)	Each	30.00	305.14	Three Hundred Five Paise Fourteen Only
17	Supplying of 1.1 KV LT UG cable having aluminium condutor PVC insulated shethed, EXTREDED INNER SHEATHRD galvnised steel,stirp (2CX 10Sqm.mm wire armoured) confirming IS 3975;1990(no.of strip indicated i GTP) AND extruded PVC outer sheathing armoured cable IS 1554 part 1;1998 and confirming to GTP of group.A.4 Core 16Sqmm.P No.40/ I No.6.4.4 (4 core 16 Sqmm) KPWD Electrical SR 2019-20	Mtr	900.00	156.75	One Hundred FiftySix Paise SeventyFive Only

	abour charges for laying of 1.1 K.V class UG cable, in xisting trench GI Pipe / stoneware pipe /on wall/on poles as equired In existing trencg/duct 6 Sqmm to 16 Sqmm)P No. 41 / I No. 6.5.1 KPWD Electrical SR 2019-20	Mtr	900.00	12.41	Twelve Paise FourtyOne Only
	Supplying and fixing of procelin fuse channel with e on existing wooden / panel using necessary nuts, bolts and washers , 63 Amps (P No. 44 / I No. 5.7.3 KPWD Electrical SR 2019-20)	Each	30.00	237.22	Two Hundred ThirtySeven Paise TwentyTwo Only
20	Providing and fixing in position 50mm nominal bore non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications (Page No.95 Item No. 13.62 / PWD SR 2018-19)	Nos	30.00	1405.67	One Thousand Four Hundred Five Paise SixtySeven Only
21	Supplying and fixing maniature circuit breakers on existing MCB Distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, Energy cross -3 with short circuit breaking capacity of 10K And Completed wiring confirming to IEC 60898 50-63 Amps TPN (P. No. 27 I No.5.17.9) KPWD Electrical SR 2019-20	Each	30.00	2504.87	Two Thousand Five Hundred Four Paise EightySeven Only
22	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. (P. No.6/ I No 2.3 PWD SR 2018-19)	Cum	6430.65	331.20	Three Hundred ThirtyOne Paise Twenty Only
23	Providing and filling sand in foundation to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications. (P.No-7,I No-2.13 of PWD BCSR 2018-19)	Cum	1218.15	2281.86	Two Thousand Two Hundred EightyOne Paise EightySix Only
24	Supplying PVC ring tight pipes conformin to IS 4980 :2000 With latest amendments and conveying to work site rolling and lowering into trenches laying true line level and prefect linking at joints testing and commissoning incuding loading and un loading at both destinations and cuts of pipes wherever neccessary including joints of PVC pipes and specificals (excluding cost of pipes)with jointing of approvel type with all labour with all lead and lift incuding encasing the pipe alround to adepth of not less then 15cms with soft gravel or selected earth availble from the excavation etc.., completed and giving necessary hydralic test to the required pressure as per IS (Contractor will make his own arrangement for procuring water for testing)(P. No.133 I No 1.4 BWSSB SR 2018-19) 63mm outer dia, 6kg/sqcm &	Mtr	13535.00	127.49	One Hundred TwentySeven Paise FourtyNine Only
25	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. includingcost of all labour complete as per specifications. P. No. 7.1/ I No. (2.11) KPWD SR 2018-19	Cum	4060.50	134.03	One Hundred ThirtyFour Paise Three Only

Grands

	onstr ction of granular sub-base Grading-V as Sub-base nd dra nage layer by providing coarse graded crushed stone aggreg tes of granite/ trap/basalt material, mixing in a mecha ical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on pre ared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)	Cum	1069.65	2084.69	Two Thousand EightyFour Paise SixtyNine Only
27	KSRR M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the materi with water at OMC in mechanical mix plant carriag of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepare surface and compacting with vibratory roller to achiev the desired density complete as per specifications(P.No-155,I No-20.18 of PWD BCSR 2018-	Cum	1426.20	2091.34	Two Thousand NinetyOne Paise ThirtyFour Only
28	KSRR M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5. with OPC at 150 kg cum and Coarse agrregate 0.86cum, Fine aggregate 0.58cum using Concrete batch Mix Plant at 75 Cum/hr capacity with fixed form Paver(I No-22.1.2,P No-174)	Cum	453.04	4404.29	Four Thousand Four Hundred Four Paise TwentyNine Only
29	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. (P.No-176,I No-22.6.1)	Cum	453.04	6272.42	Six Thousand Two Hundred SeventyTwo Paise FourtyTwo Only

	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts 3 phase and wired after fixing to the existing wooden board for motor.Above 12.5 HP upto 25 HP (P No. 24 / I No.5.2.2 KPWD Electrical SR 2019-20)	Nos	27.00	8360.00	Eight Thousand Three Hundred Sixty Only
31	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of materials, labour, HOM complete as per specifications, curing complete as per specifications. (I No-34.7.8.2,P No-255) 1200mm dia	m	257.50	6245.21	Six Thousand Two Hundred FourtyFive Paise TwentyOne Only
32	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications.a) 40mm Jelly	Cum	15.97	1986.55	One Thousand Nine Hundred EightySix Paise FiftyFive Only
33	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications.b) 20mm Jelly	Cum	15.97	1986.55	One Thousand Nine Hundred EightySix Paise FiftyFive Only
34	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications.c) Coarse sand.	Cum	15.97	2770.30	Two Thousand Seven Hundred Seventy Paise Thirty Only
35	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications.d) Fine Sand	Cum	15.97	2770.30	Two Thousand Seven Hundred Seventy Paise Thirty Only
36	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications.e) 12.5mm chips	Cum	15.97	1986.55	One Thousand Nine Hundred EightySix Paise FiftyFive Only

Signature of the
Contractor

Executive Engineer,
Yelahanka Division,
BBMP, Bengaluru-64.